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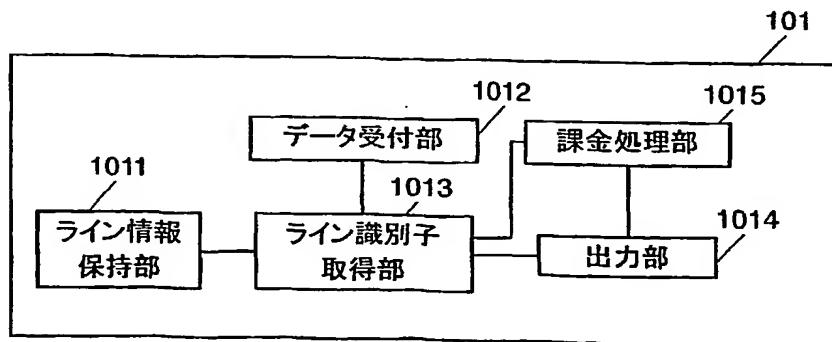
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(54) Title: INFORMATION PROCESSING DEVICE AND PRODUCTION DEVICE

(54) 発明の名称: 情報処理装置および製造装置



1011...LINE INFORMATION HOLDING SECTION  
1012...DATA RECEPTION SECTION  
1013...LINE IDENTIFIER ACQUISITION SECTION  
1015...ACCOUNTING PROCESSING SECTION  
1014...OUTPUT SECTION

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(57) Abstract: An information processing device includes a line information holding section for holding a plurality of line information, a data reception section for receiving numerical control (NC) data, a line identifier acquisition section, and an output section. A plurality of line information include a line identifier for identifying a substrate production line, substrate size information indicating the size of a substrate which can be produced in the production line identified by the line identifier, and parts information on at least one part which can be mounted on the substrate in the production line identified by the line identifier. The NC data is data for producing a first substrate and includes substrate size information indicating the size of the first substrate and first parts information which is information on parts which can be mounted on the first substrate. According to the NC data, the line identifier acquisition section acquires a line identifier indicating the first production line capable of producing the first substrate from a plurality of line identifiers held by the line information holding section. The output section outputs the line identifier acquired by the line identifier acquisition section. By this information processing device, it is possible to accurately select a production line optimal for producing a substrate.

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KG, KZ, MD, RU, TJ, TM), ヨーロッパ (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

2文字コード及び他の略語については、定期発行される各PCTガゼットの巻頭に掲載されている「コードと略語のガイダンスノート」を参照。

添付公開書類:

— 国際調査報告書

(57) 要約: 情報処理装置は、複数のライン情報を保持するライン情報保持部と、数値制御 (Numerical Control : NC) データを受け付けるデータ受付部と、ライン識別子取得部と、出力部とを具備する。複数のライン情報は、基板の製造ラインを識別するライン識別子と、ライン識別子で識別される製造ラインで製造可能な基板の大きさを示す基板サイズ情報と、ライン識別子で識別される製造ラインで基板上に設置可能な 1 以上の部品に関する情報である部品情報をそれぞれ含む。NC データは、第 1 の基板を製造するためのデータであり、第 1 の基板のサイズを示す基板サイズ情報と第 1 の基板上に設置可能な部品に関する情報である第 1 の部品情報を含む。ライン識別子取得部は、NC データに基づいて、ライン情報保持部の保持する複数のライン識別子から第 1 の基板を製造できる第 1 の製造ラインを示すライン識別子を取得する。出力部は、ライン識別子取得部で取得したライン識別子を出力する。この情報処理装置によって、基板の製造に最適な製造ラインを正確に選定できる。

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/008943

## A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl<sup>7</sup> G05B19/418

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl<sup>7</sup> G05B19/418, G06F17/60, B23Q41/08

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Jitsuyo Shinan Koho 1922-1996 Toroku Jitsuyo Shinan Koho 1994-2004  
Kokai Jitsuyo Shinan Koho 1971-2004 Jitsuyo Shinan Toroku Koho 1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 478361 A1 (Hewlett-Packard Co.), 01 April, 1992 (01.04.92), Claims & JP 4-257968 A Claims & US 5258915 A1 & DE 69123120 C	1-19
X	JP 6-164189 A (Matsushita Electric Industrial Co., Ltd.), 10 June, 1994 (10.06.94), Par. No. [0005] (Family: none)	1-19

 Further documents are listed in the continuation of Box C. See patent family annex.

\* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search  
09 August, 2004 (09.08.04)Date of mailing of the international search report  
24 August, 2004 (24.08.04)Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/008943

## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2002-236513 A (Matsushita Electric Industrial Co., Ltd.), 23 August, 2002 (23.08.02), Par. No. [0019] (Family: none)	5-7, 14, 19
A	US 5231585 A1 (Hitachi, Ltd.), 27 July, 1993 (27.07.93), Claims & JP 3-26450 A Claims	1-19